

AMENDMENTS TO THE CLAIMS

IN THE CLAIMS:

1. (Currently Amended) A method of decoding on a mobile device and analyzing a barcode comprising the steps of:

imaging a barcode with mobile device equipped with a digital camera;
enhancing said barcode image using software located on said mobile device;
decoding the barcode information from said enhanced barcode image on said mobile device;
transmitting said barcode information from said mobile device to a server via a wireless network;
processing said barcode information using said server to determine the media content associated with said barcode information; and
transmitting said media content to ~~the~~ said mobile device via said wireless network.

2. (Cancelled) A method of decoding and analyzing a barcode according to claim 1, wherein said barcode is decoded by said server.

3. (Cancelled) A method of decoding and analyzing a barcode according to claim 1, wherein said barcode is decoded by said mobile device.

4. (Currently Amended) A method of decoding and analyzing a barcode according to claim 1, wherein said enhancing of said barcode image using software located on said mobile device comprises at least one of the steps of: correcting said barcode image for skew; correcting said barcode image for yaw; correcting said barcode image for barcode sizing; correcting said barcode image for rotation of said barcode from the normal position; sharpening the pixels in said barcode image; and enhancing the edges of said barcode in said barcode image.

5. (Currently Amended) A method of decoding and analyzing a barcode according to claim 1, wherein said decoding on said mobile device of said barcode comprises the steps of: calculating the number of edges in said barcode image; loading a first symbology library; comparing said number of edges to a predetermined threshold require for said symbology library; and decoding said barcode from said barcode image utilizing said symbology library.
6. (Original) A method of decoding and analyzing a barcode according to claim 5, wherein a plurality of other symbology libraries are loaded if said number of edges is less than said predetermined threshold.
7. (Original) A method of decoding and analyzing a barcode according to claim 1, wherein said mobile device is at least one of the group consisting of a camera phone, mobile phone, smart phone, PDA, pager, pocket PC or laptop computer.
8. (Original) A method of decoding and analyzing a barcode according to claim 1, wherein said barcode is constructed from at least one of the standardized barcode symbology libraries consisting of the group of UPC-A, UC-E, ISBN, RSS-14, RSS-14E, RSS-14L, Interleaved 2 of 5, EAN/JAN-8, EAN/JAN-13, Code 3, Code 39 Full ASCII, Code 128, PDF417, QR Code, or Data Matrix.
9. (Original) A method of decoding and analyzing a barcode according to claim 1, wherein said media content is a search result of a database constructed from said barcode information.
10. (Original) A method of decoding and analyzing a barcode according to claim 1, wherein said media content transmitted to said mobile device is product information.
11. (Original) A method of decoding and analyzing a barcode according to claim 1, wherein said wireless network is a WAP network.

12. (Original) A method of decoding and analyzing a barcode according to claim 1, wherein said barcode information is transmitted to said server via a SMS message.
13. (Original) A method of decoding and analyzing a barcode according to claim 1, wherein said barcode information is transmitted to said server via a MMS message.
14. (Previously Presented) A system for decoding and analyzing a barcode comprising:
 at least one machine readable barcode;
 at least one mobile device equipped with a digital camera for imaging said barcode, wherein said mobile device decodes the barcode information from said barcode image, and,
 wherein said mobile device enhances said barcode image by performing the steps of: correcting said barcode image for skew; correcting said barcode image for yaw; correcting said barcode image for barcode sizing; correcting said barcode image for rotation of said barcode from the normal position; sharpening the pixels in said barcode image; and enhancing the edges of said barcode in said barcode image;
 a wireless network; and
 a server for receiving and processing said barcode information via said wireless network, wherein said server transmits media content to said mobile device after processing said barcode information.
15. (Canceled) A system for decoding and analyzing a barcode according to claim 14, wherein said mobile device enhances said barcode image by performing the steps of: correcting said barcode image for skew; correcting said barcode image for yaw; correcting said barcode image for barcode sizing; correcting said barcode image for rotation of said barcode from the normal position; sharpening the pixels in said barcode image; and enhancing the edges of said barcode in said barcode image.
16. (Original) A system for decoding and analyzing a barcode according to claim 14, wherein said decoding of said barcode by said mobile device comprises the steps of: calculating the number of edges in said barcode image; loading a first symbology

library; comparing said number of edges to a predetermined threshold require for said symbology library; and decoding said barcode from said barcode image utilizing said symbology library.

17. (Original) A system for decoding and analyzing a barcode according to claim 16, wherein a plurality of other symbology libraries are loaded by said mobile device if said number of edges is less than said predetermined threshold.

18. (Original) A system for decoding and analyzing a barcode according to claim 14, wherein said mobile device is at least one of the group consisting of a camera phone, mobile phone, smart phone, PDA, pager, pocket PC, desktop, or laptop computer.

19. (Original) A system for decoding and analyzing a barcode according to claim 14, wherein said barcode is constructed from at least one of the standardized barcode symbology libraries consisting of the group of UPC-A, UC-E, ISBN, RSS-14, RSS-14E, RSS-14L, Interleaved 2 of 5, EAN/JAN-8, EAN/JAN-13, Code 3, Code 39 Full ASCII, Code 128, PDF417, QR Code, or Data Matrix.

20. (Original) A system for decoding and analyzing a barcode according to claim 14, wherein said media content is a search result of a database constructed from said barcode information.

21. (Original) A system for decoding and analyzing a barcode according to claim 14, wherein said media content transmitted to said mobile device is product information about said manufactured good.

22. (Original) A system for decoding and analyzing a barcode according to claim 14, wherein said wireless network is a WAP network.

23. (Original) A system for decoding and analyzing a barcode according to claim 14, wherein said barcode image is transmitted to said server via a MMS message.

24. (Original) A system for decoding and analyzing a barcode according to claim 14, wherein said barcode information is transmitted to said server via a MMS message.

25. (Original) A system for decoding and analyzing a barcode according to claim 14, wherein said mobile devices utilizes an operating system from the list consisting of Symbian OS, Java, embedded VC++, Windows CE, and Palm OS.